

# M.S. in Chemical Engineering - Non-Thesis Option (Plan B)

## General Requirements

- 30 credits total
- ECHM 575 Research or Prof Paper/Project is required
- 21 credits or more required for degree must be at 5xx level
- 3xx level courses are not allowed
- 4xx level courses may be used
- Courses with grades below C- cannot be used to satisfy graduation requirements
- Three credits (min.) registration required during term of graduation (1 credit with in absentia graduation request on file)

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## Course Requirements

The following courses are required of each MS student:

ECHM 594	Seminar (can be taken twice)	1
ECHM 503	Thermodynamics (F)	3
ECHM 533	Transport Phenomena (Sp)	3
ECHM 575	Research or Prof Paper/Project	3

Plus, a course in each of the following areas:

Reaction Engineering

ECHM 510	Reaction Engineering/Modeling (Sp)	3
or EBIO 566	Fundamentals of Biofilm Engr	

Advanced Mathematics

EGEN 505	Advanced Engineering Analysis	3
or EGEN 506	Numerical Sol to Engr Problems	

Each student's graduate advisor and committee are to work with the student to prepare a Program of Study listing the courses the student is required to take.

## Examinations

For Non-Thesis Option (Plan B) Students:

- Presentation of professional paper and oral defense